

CLAIMS

1. A method for assessing a T-cell response to nucleic acid  
5 administration  
comprising
- a) transferring into a mammal T-cells expressing a T-cell  
receptor for an antigen (TCR-T-cells);
  - b) administering nucleic acid encoding said antigen to the  
10 mammal;
  - c) assessing an immune response associated with said TCR-T-  
cells.
2. A method according to claim 1 further comprising isolating a  
15 sample containing TCR-T cells from said mammal after step (b), and restimulating  
said sample with the antigen prior to step (c).
3. A method according to claim 1 or claim 2 wherein step (c)  
20 comprises monitoring the TCR-T-cell population.
4. A method according to claim 1 or claim 2 wherein step (c)  
comprises monitoring cytokine production by said TCR-T-cells.
5. A method according to claim 4 wherein the cytokine is  
25 interferon( and/or IL-5.
6. A method according to claim 5 wherein the levels of both IFN- $\gamma$  and  
IL-5 are measured.
7. A method according to claim 1 or claim 2 where step(c) comprises  
30 monitoring cell-surface markers on TCR T-cells.
8. A method according to any preceding claim for assessing a T-cell  
helper response wherein step (c) comprises assessing an immune response  
35 associated with said TCR-T-cells indicative of a T-cell helper response.